

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF022519\
 Data File : VF061738.D
 Acq On : 25 Feb 2019 19:00
 Operator : VA/AP
 Sample : K1610-09
 Misc : 6.10g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WV-E

Quant Time: Feb 26 04:48:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	258272	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	391447	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	318938	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	159136	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	82179	43.39	ug/l	-0.03
Spiked Amount			Recovery	=	86.78%	
35) Dibromofluoromethane	4.10	113	110844	38.13	ug/l	-0.02
Spiked Amount			Recovery	=	76.26%	
50) Toluene-d8	7.54	98	299007	35.78	ug/l	-0.02
Spiked Amount			Recovery	=	71.56%	
62) 4-Bromofluorobenzene	11.41	95	122474	36.22	ug/l	0.00
Spiked Amount			Recovery	=	72.44%	

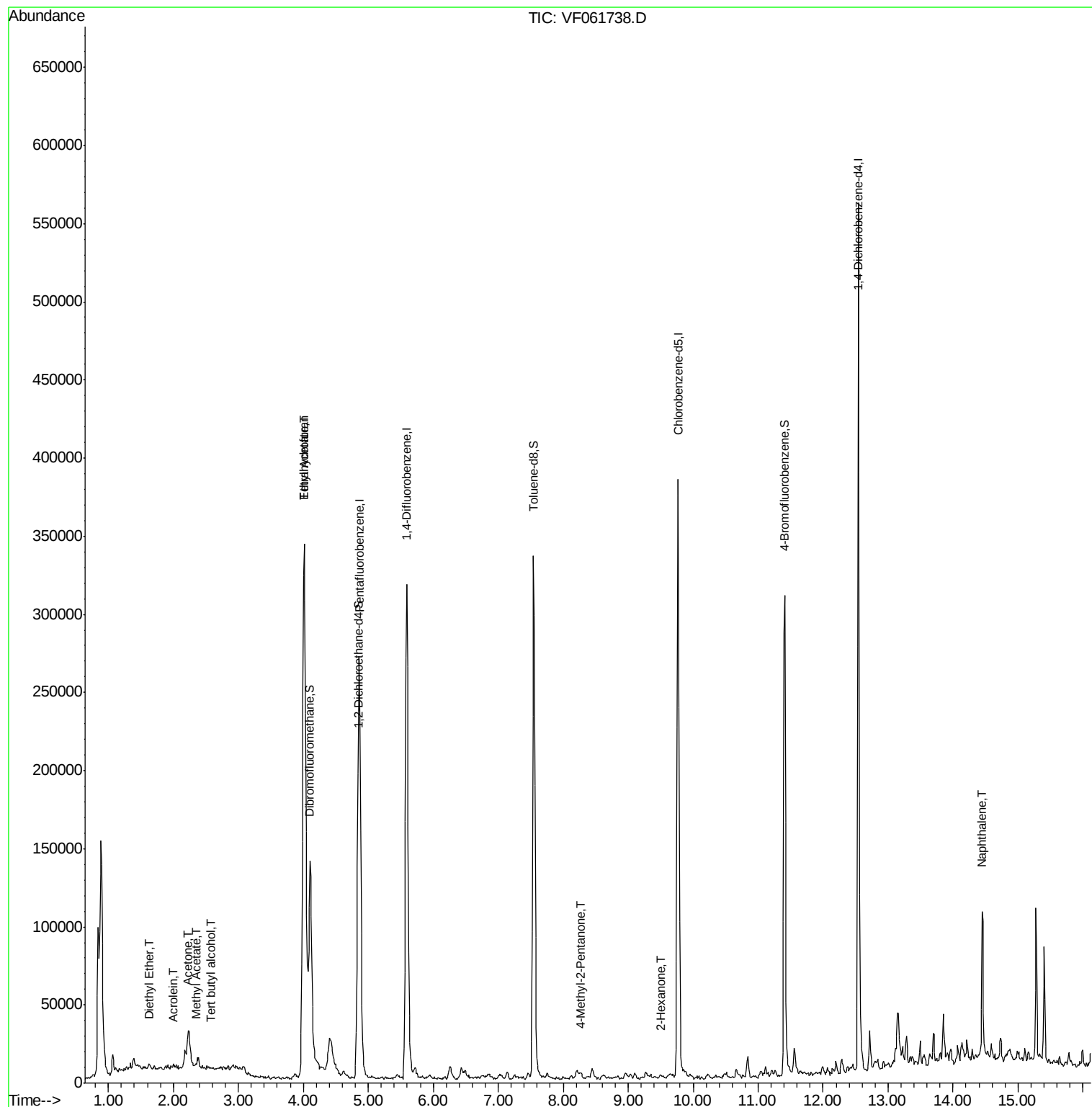
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.64	74	987	1.122	ug/l #	39
11) Tert butyl alcohol	2.56	59	346	3.157	ug/l #	12
13) Acrolein	1.98	56	365	2.650	ug/l	94
16) Acetone	2.24	43	18600	45.773	ug/l #	81
18) Methyl Acetate	2.34	43	2043	2.232	ug/l	98
20) Methylene Chloride	2.18	84	5435	Below Cal	#	84
29) Tetrahydrofuran	4.01	42	5866	14.540	ug/l #	75
37) Ethyl Acetate	4.01	43	19670	10.921	ug/l #	57
51) 4-Methyl-2-Pentanone	8.25	43	3664	2.405	ug/l	93
59) 2-Hexanone	9.51	43	1772	1.659	ug/l #	23
95) Naphthalene	14.45	128	73584	11.305	ug/l	99

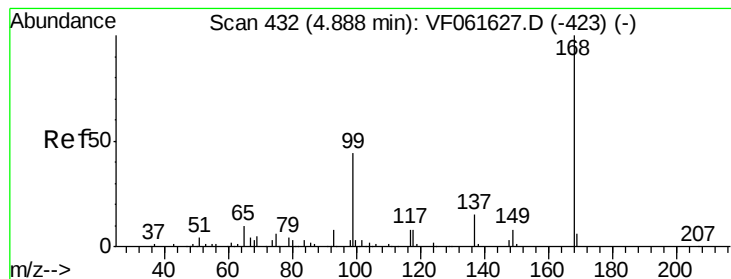
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF022519\
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Quant Time: Feb 26 04:48:26 2019
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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.03 min

Lab File: VF061738.D

Acq: 25 Feb 2019 19:00

Instrument :

MSVOA_F

ClientSampleId :

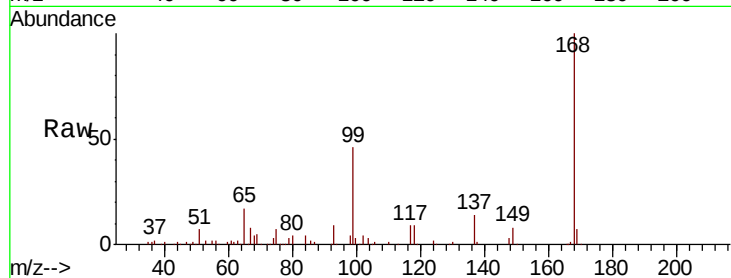
WV-E

Tgt Ion: 168 Resp: 258272

Ion Ratio Lower Upper

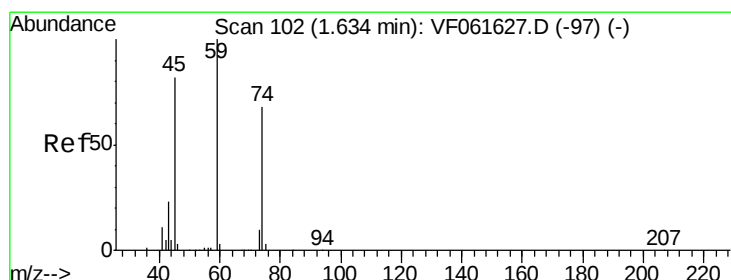
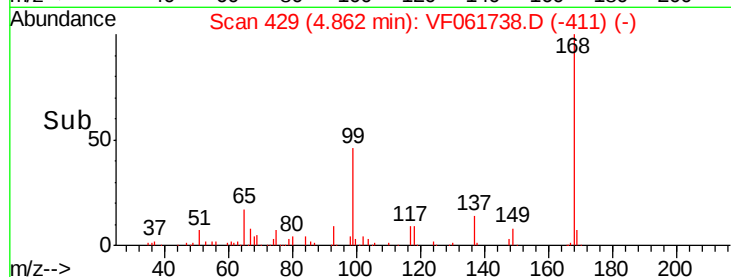
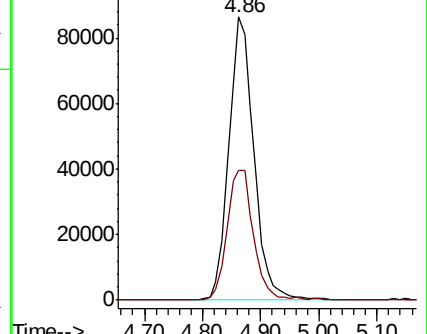
168 100

99 45.9 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#8

Diethyl Ether

Concen: 1.122 ug/l

RT: 1.64 min Scan# 102

Delta R.T. 0.00 min

Lab File: VF061738.D

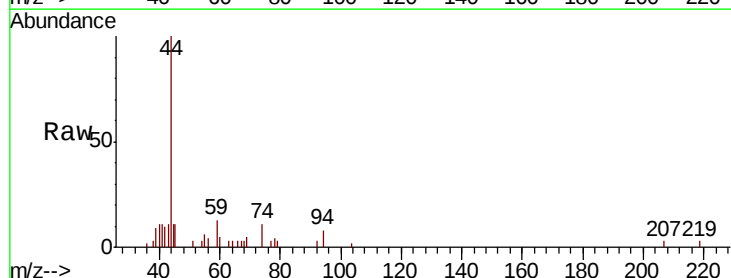
Acq: 25 Feb 2019 19:00

Tgt Ion: 74 Resp: 987

Ion Ratio Lower Upper

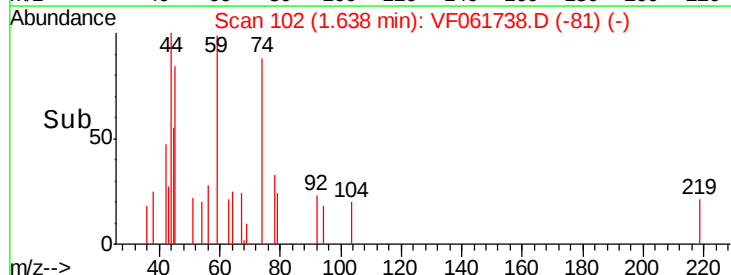
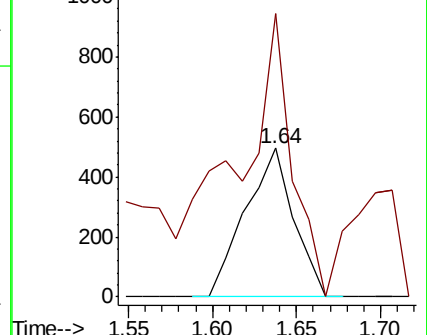
74 100

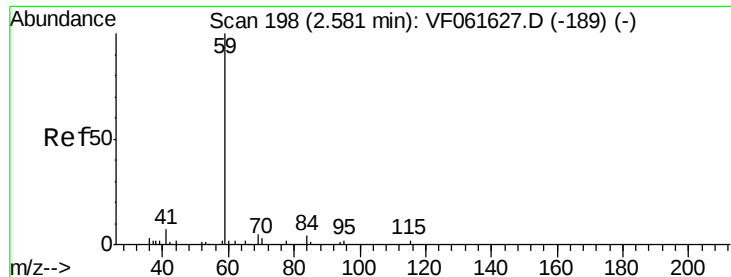
45 190.1 60.8 182.3#



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

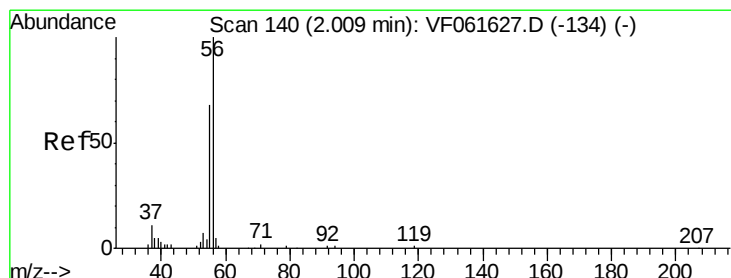
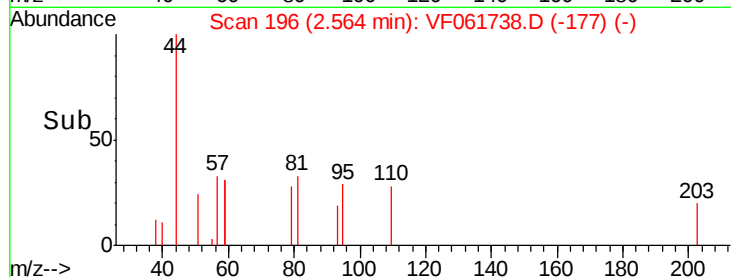
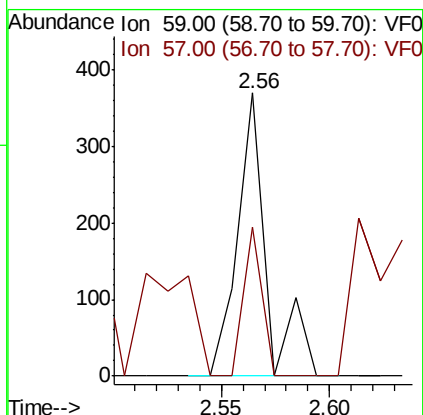
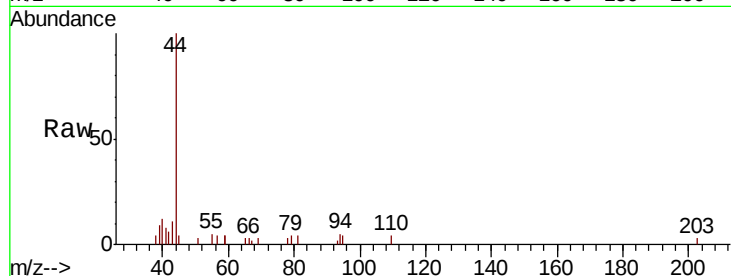




#11
Tert butyl alcohol
Concen: 3.157 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF061738.D
Acq: 25 Feb 2019 19:00

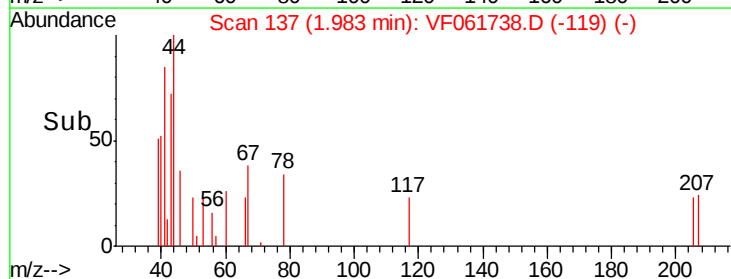
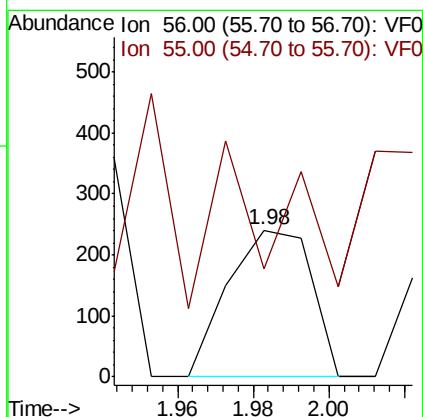
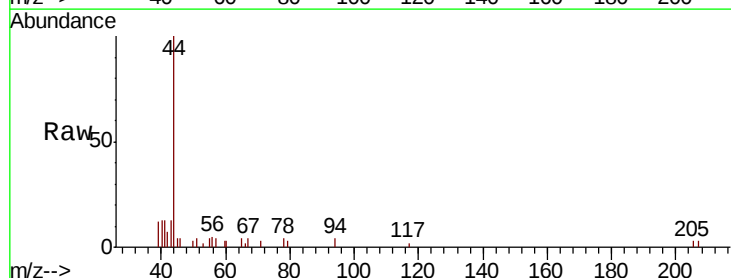
Instrument :
MSVOA_F
ClientSampleId :
WV-E

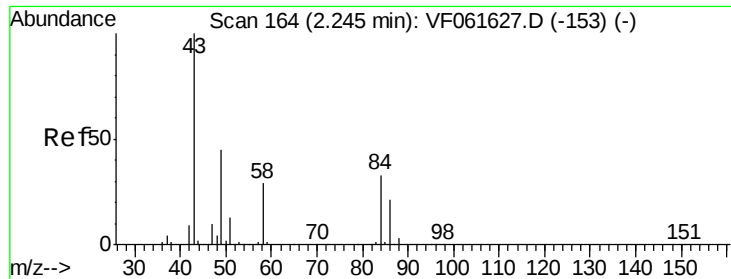
Tgt Ion: 59 Resp: 346
Ion Ratio Lower Upper
59 100
57 52.8 12.5 18.7#



#13
Acrolein
Concen: 2.650 ug/l
RT: 1.98 min Scan# 137
Delta R.T. -0.03 min
Lab File: VF061738.D
Acq: 25 Feb 2019 19:00

Tgt Ion: 56 Resp: 365
Ion Ratio Lower Upper
56 100
55 73.9 55.0 82.6





#16

Acetone

Concen: 45.773 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061738.D

Acq: 25 Feb 2019 19:00

Instrument :

MSVOA_F

ClientSampleId :

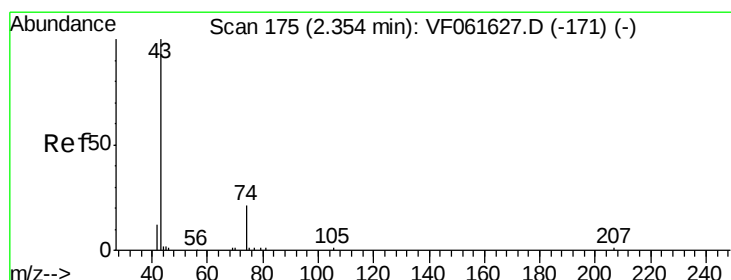
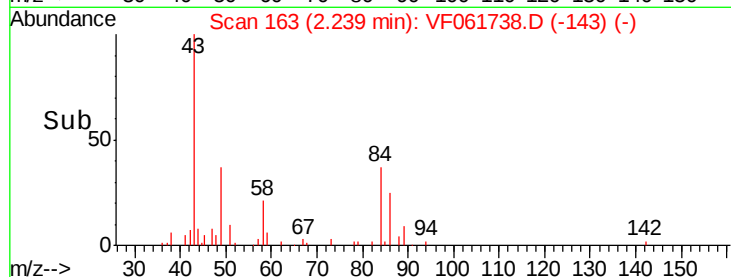
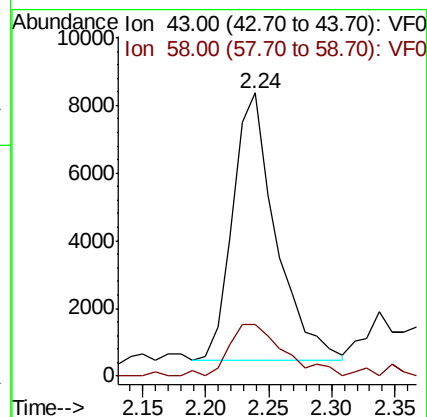
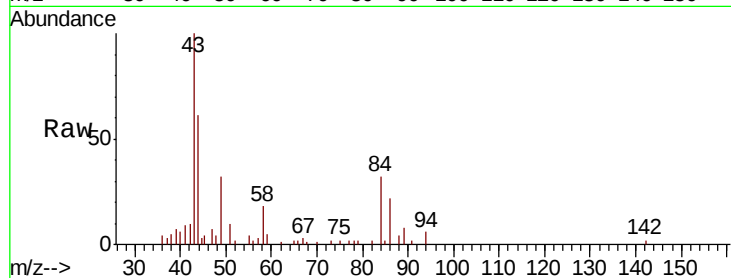
WV-E

Tgt Ion: 43 Resp: 18600

Ion Ratio Lower Upper

43 100

58 18.3 22.9 34.3#



#18

Methyl Acetate

Concen: 2.232 ug/l

RT: 2.34 min Scan# 173

Delta R.T. -0.02 min

Lab File: VF061738.D

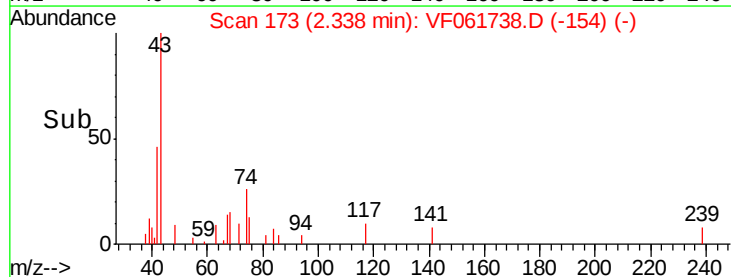
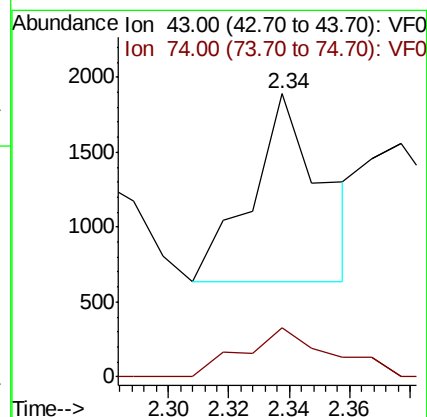
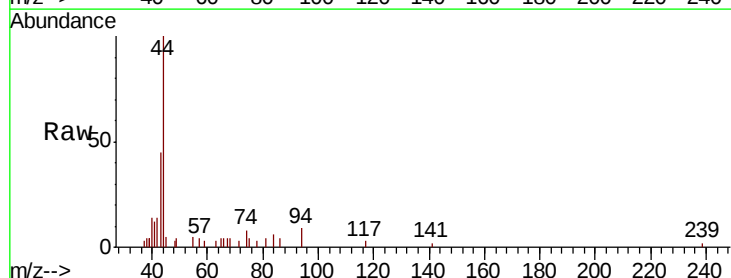
Acq: 25 Feb 2019 19:00

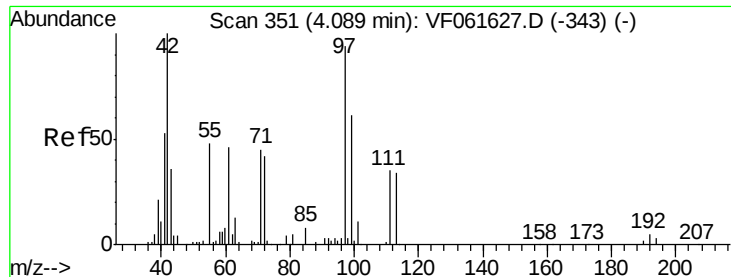
Tgt Ion: 43 Resp: 2043

Ion Ratio Lower Upper

43 100

74 17.2 14.6 21.8





#29

Tetrahydrofuran

Concen: 14.540 ug/l

RT: 4.01 min Scan# 343

Delta R.T. -0.08 min

Lab File: VF061738.D

Acq: 25 Feb 2019 19:00

Instrument :

MSVOA_F

ClientSampleId :

WV-E

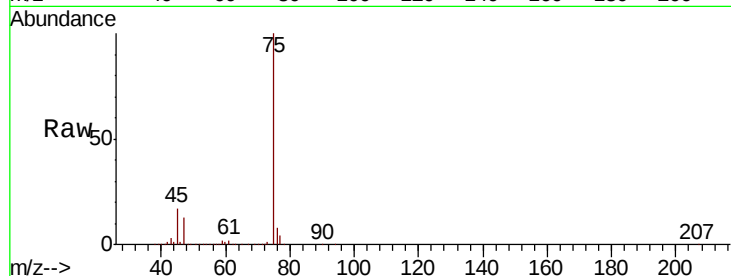
Tgt Ion: 42 Resp: 5866

Ion Ratio Lower Upper

42 100

72 31.0 35.2 52.8#

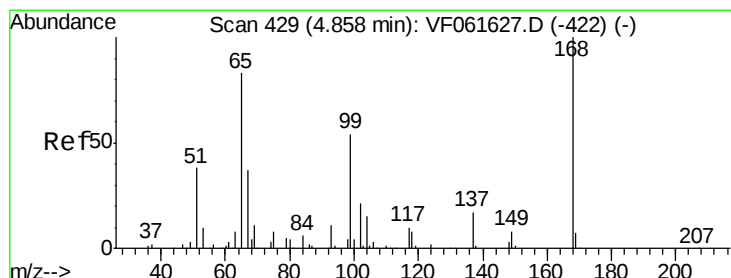
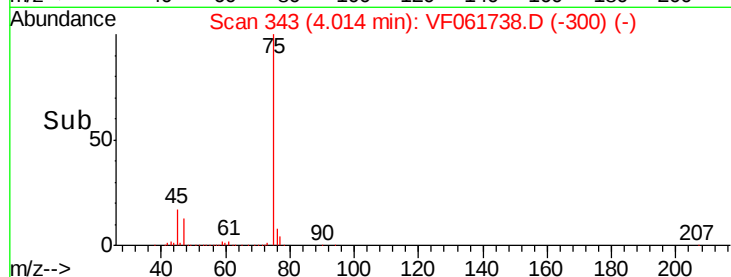
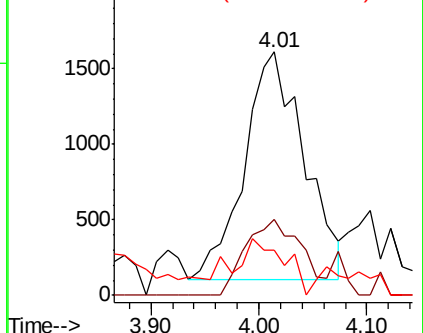
71 21.7 32.9 49.3#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 43.390 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.03 min

Lab File: VF061738.D

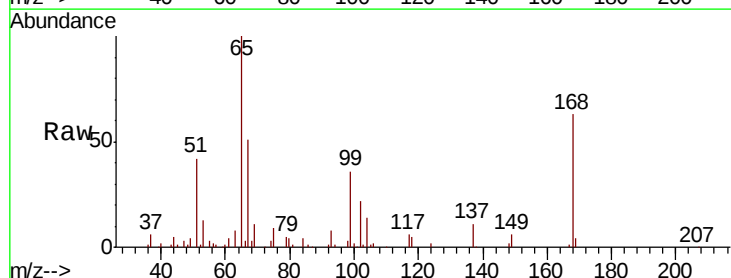
Acq: 25 Feb 2019 19:00

Tgt Ion: 65 Resp: 82179

Ion Ratio Lower Upper

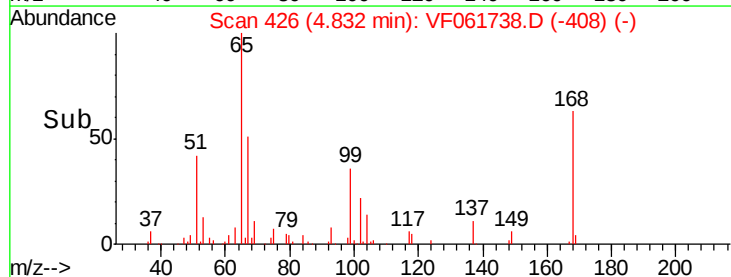
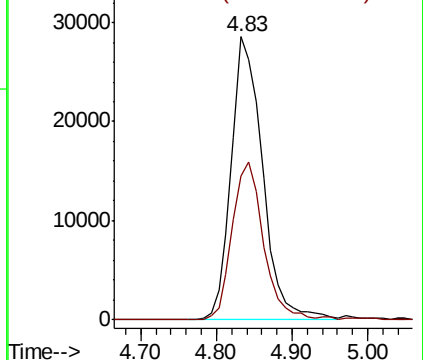
65 100

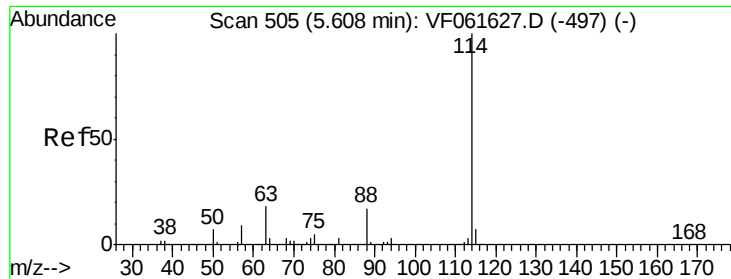
67 50.7 0.0 104.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

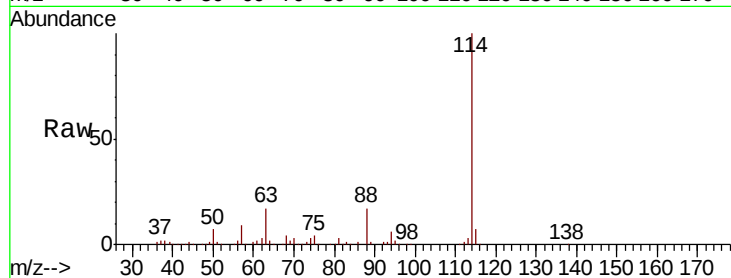




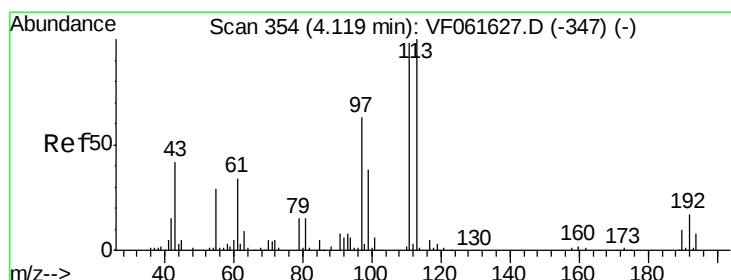
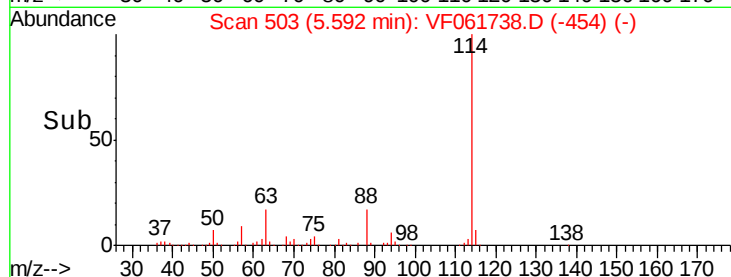
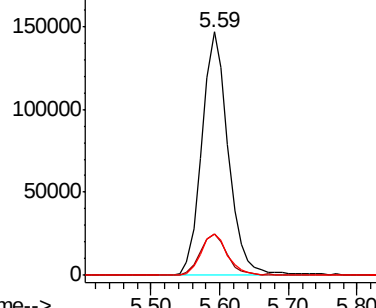
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: VF061738.D
 Acq: 25 Feb 2019 19:00

Instrument :
 MSVOA_F
 ClientSampleId :
 WV-E

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	36.6
88	16.8	0.0	34.4

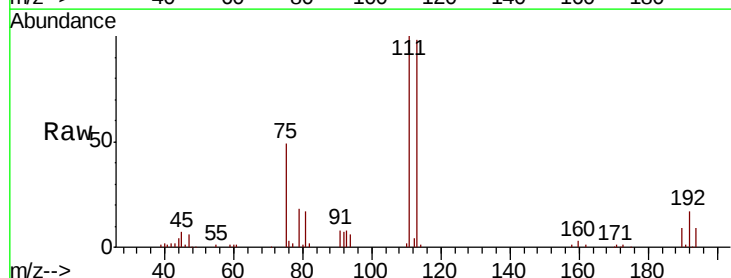


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

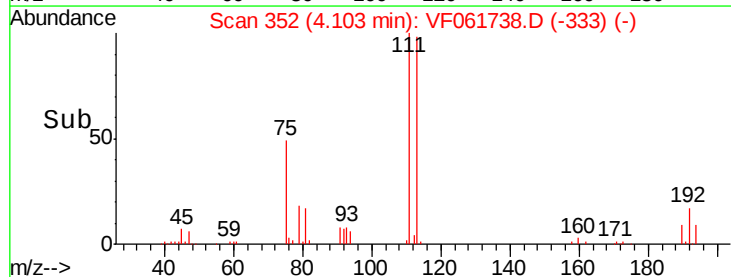
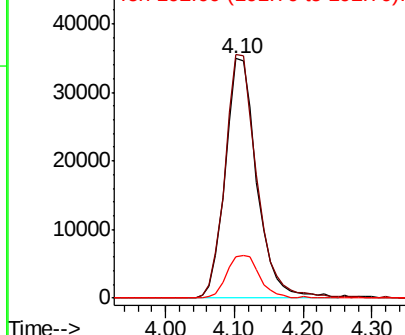


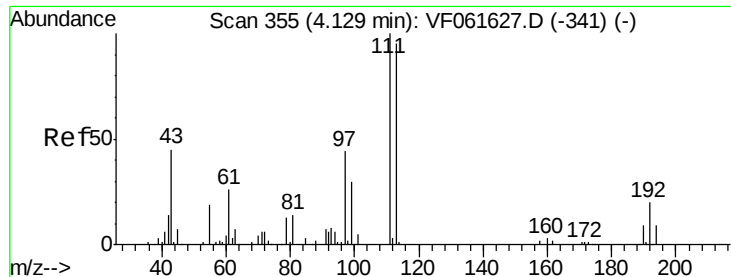
#35
 Dibromofluoromethane
 Concen: 38.131 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: VF061738.D
 Acq: 25 Feb 2019 19:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	78.8	118.2
192	17.8	13.4	20.0



Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

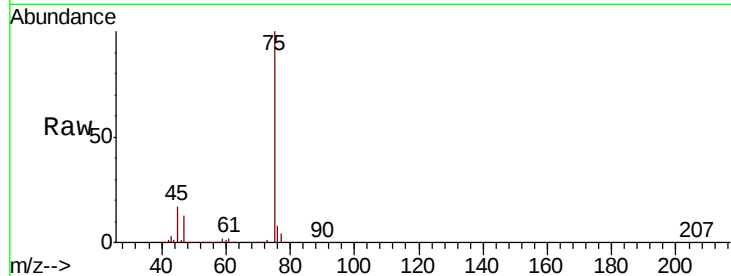




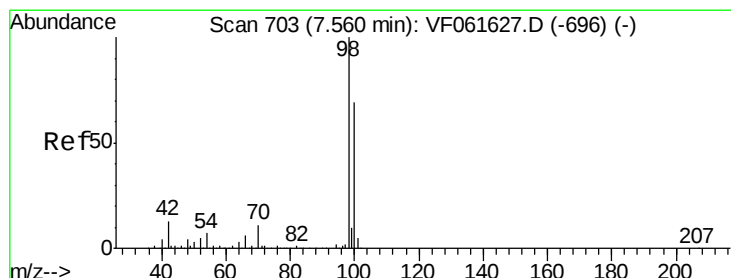
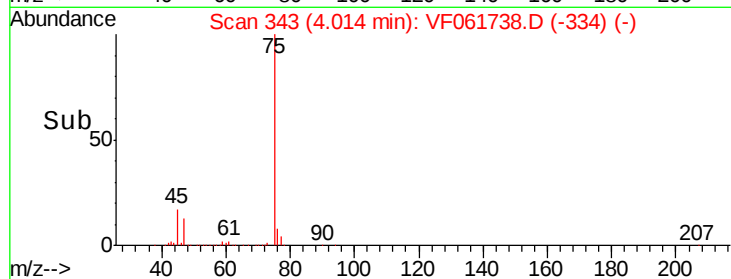
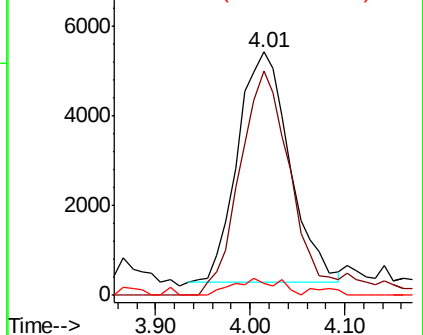
#37
Ethyl Acetate
Concen: 10.921 ug/l
RT: 4.01 min Scan# 343
Delta R.T. -0.11 min
Lab File: VF061738.D
Acq: 25 Feb 2019 19:00

Instrument :
MSVOA_F
ClientSampleId :
WV-E

Tgt Ion: 43 Resp: 19670
Ion Ratio Lower Upper
43 100
61 92.3 45.7 68.5#
70 4.8 8.5 12.7#

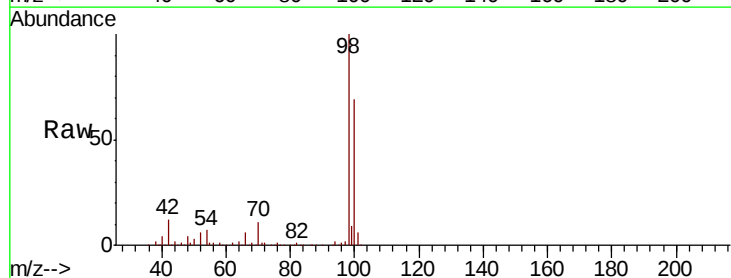


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

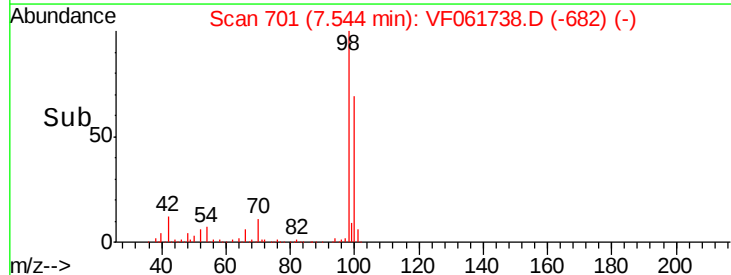
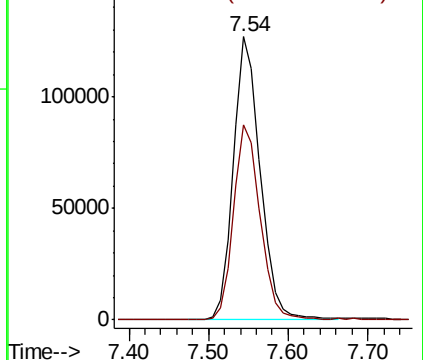


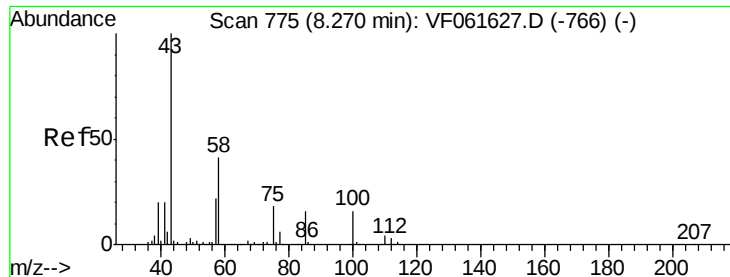
#50
Toluene-d8
Concen: 35.781 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061738.D
Acq: 25 Feb 2019 19:00

Tgt Ion: 98 Resp: 299007
Ion Ratio Lower Upper
98 100
100 68.9 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 2.405 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.02 min

Lab File: VF061738.D

Acq: 25 Feb 2019 19:00

Instrument :

MSVOA_F

ClientSampled :

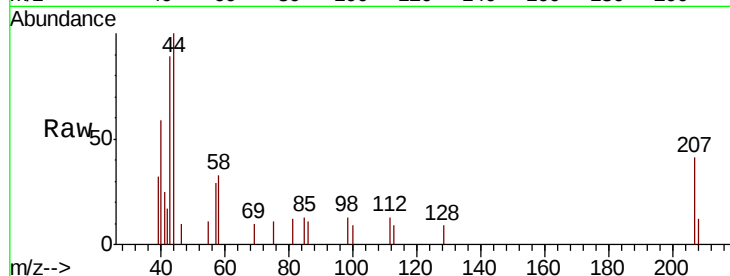
WV-E

Tgt Ion: 43 Resp: 3664

Ion Ratio Lower Upper

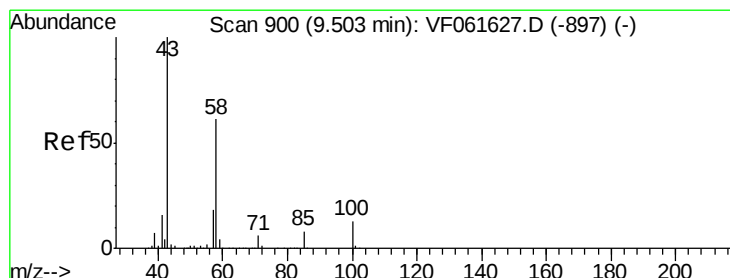
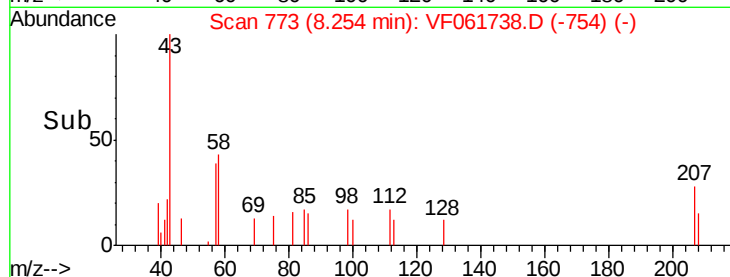
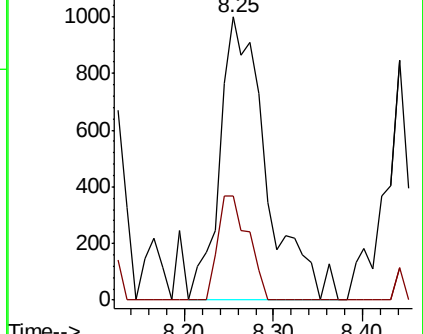
43 100

58 37.0 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#59

2-Hexanone

Concen: 1.659 ug/l

RT: 9.51 min Scan# 900

Delta R.T. 0.00 min

Lab File: VF061738.D

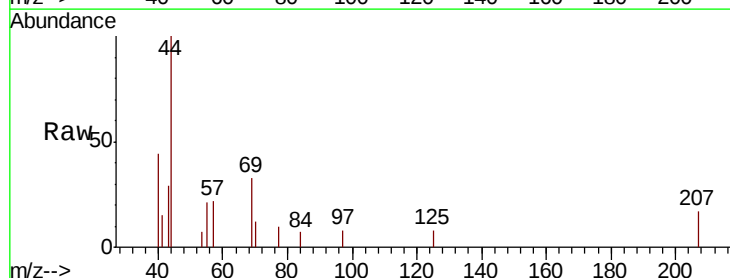
Acq: 25 Feb 2019 19:00

Tgt Ion: 43 Resp: 1772

Ion Ratio Lower Upper

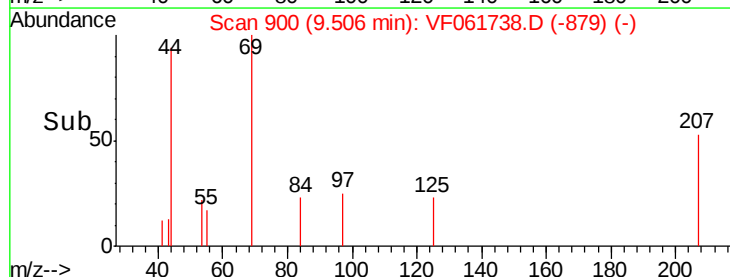
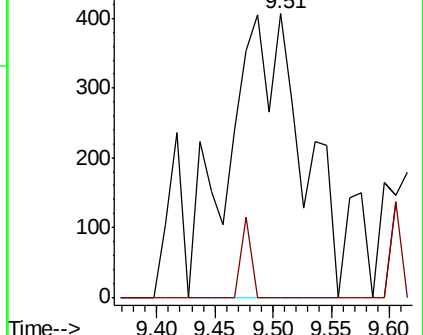
43 100

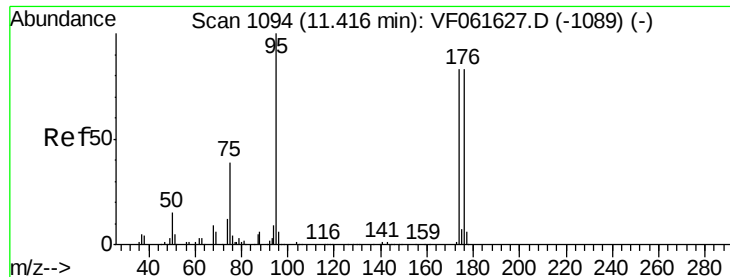
58 0.0 28.5 85.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

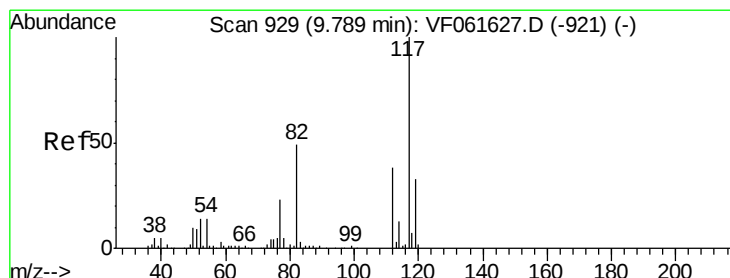
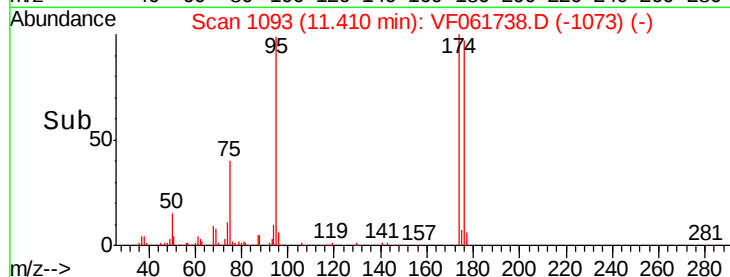
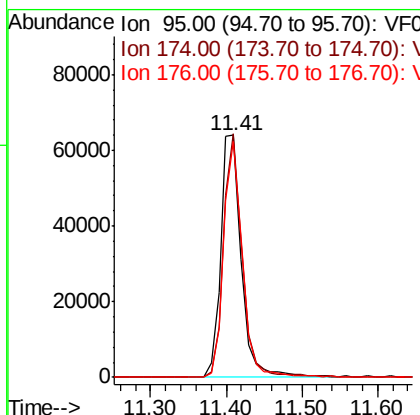
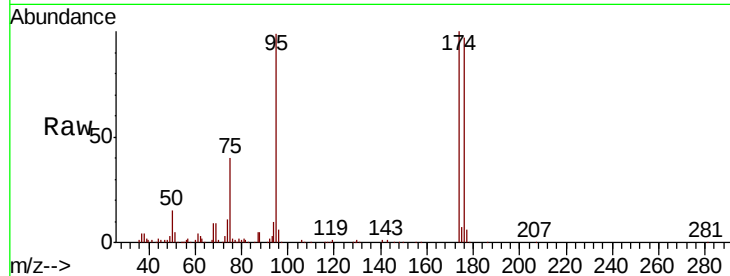




#62
4-Bromofluorobenzene
Concen: 36.222 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF061738.D
Acq: 25 Feb 2019 19:00

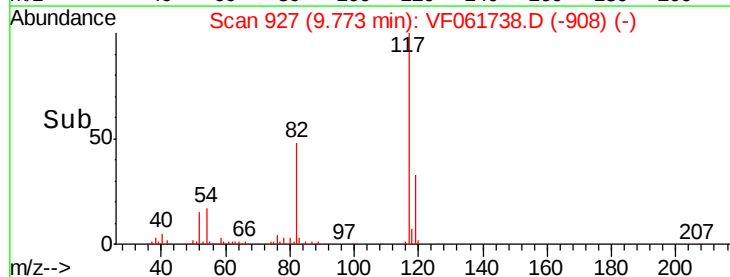
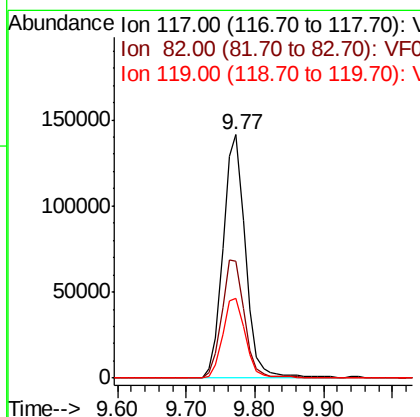
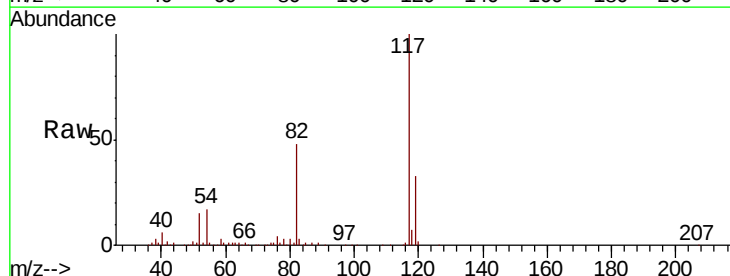
Instrument :
MSVOA_F
ClientSampleId :
WV-E

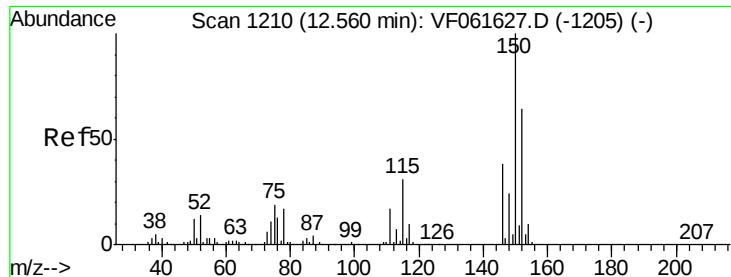
Tgt Ion: 95 Resp: 122474
Ion Ratio Lower Upper
95 100
174 100.7 0.0 165.8
176 97.3 0.0 167.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.02 min
Lab File: VF061738.D
Acq: 25 Feb 2019 19:00

Tgt Ion: 117 Resp: 318938
Ion Ratio Lower Upper
117 100
82 47.8 39.3 58.9
119 32.6 26.6 40.0



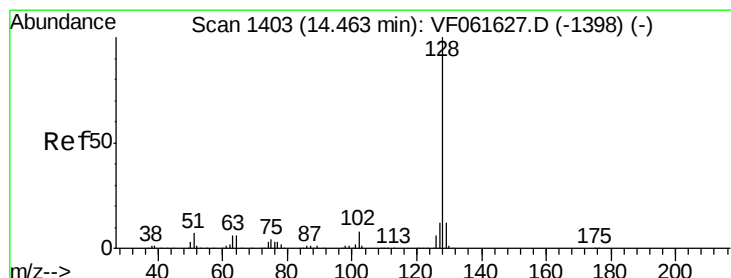
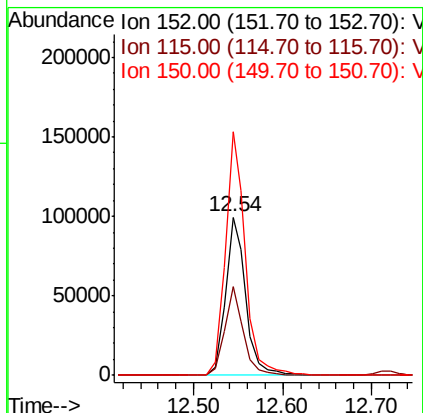
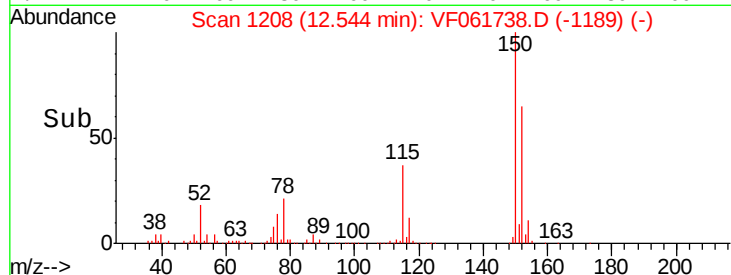
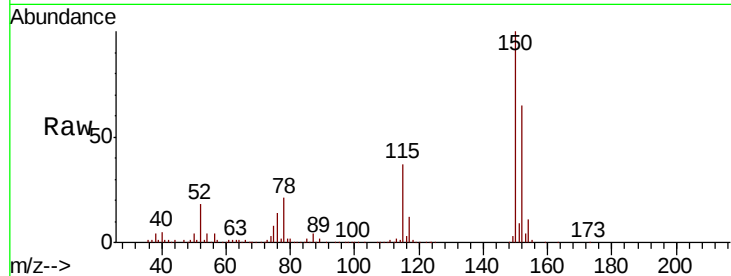


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061738.D
Acq: 25 Feb 2019 19:00

Instrument :
MSVOA_F
ClientSampled :
WV-E

Tgt Ion:152 Resp: 159136
Ion Ratio Lower Upper
152 100
115 56.3 24.3 72.8
150 153.8 0.0 312.0



#95

Naphthalene
Concen: 11.305 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF061738.D
Acq: 25 Feb 2019 19:00

Tgt Ion:128 Resp: 73584
Ion Ratio Lower Upper
128 100
127 11.6 9.8 14.6
129 11.3 9.4 14.2

